

ABSTRACT OF THE DISCLOSURE

The invention relates to a data transmission system having distributed control functionality for machine tools, production machines, and robots, having a respectively networked movement control system which controls complex processes. Information relating to movement control can be interchanged by means of real-time cross-communication between the control functional units. An Ethernet link can be used for real-time cross-communication. The use of the data transmission system for printing machines also represents an advantageous application of the invention.

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